



Hydrology Briefing

11 AM CDT, May 30, 2013



National Weather Service

Springfield, MO

<http://www.weather.gov/sgf>

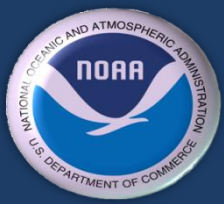
Email: w-sgf.webmaster@noaa.gov

Phone: 417-863-8028



Find us on
Facebook



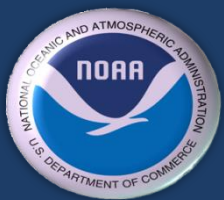


NWS Springfield

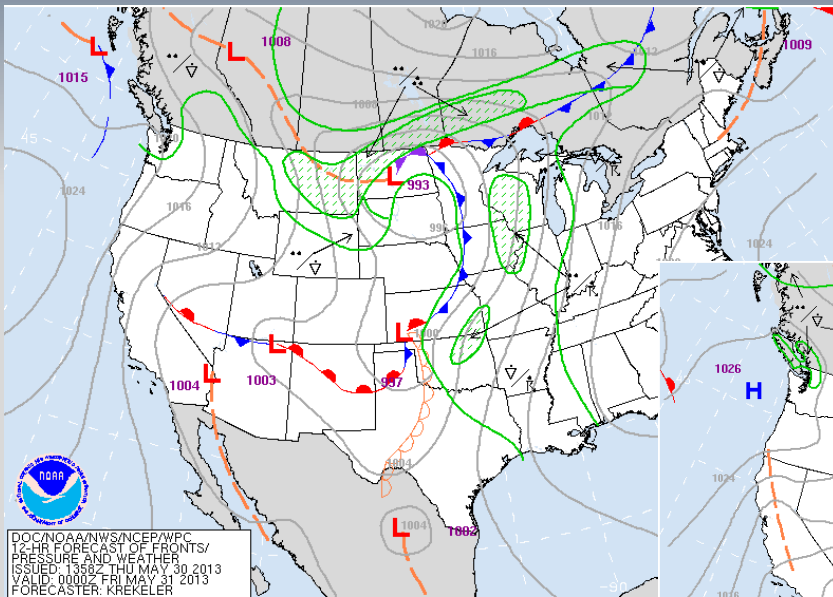
Forecast Highlights



What	Where	Timing	Impacts
Heavy Rainfall	All of Southeast Kansas and the Missouri Ozarks	Today through Friday Night	Widespread 4 to 5 inches Locally up to 6 inches
Flash Flood Watch	Southeast Kansas and the Missouri Ozarks	7 AM Morning Through 7 AM Saturday	Flash Flooding Possible Elevated and quick water level rises on area waterways possible
River Flooding	Southeast Kansas and Western Missouri	Friday through Sunday	Moderate to Major Flooding Possible

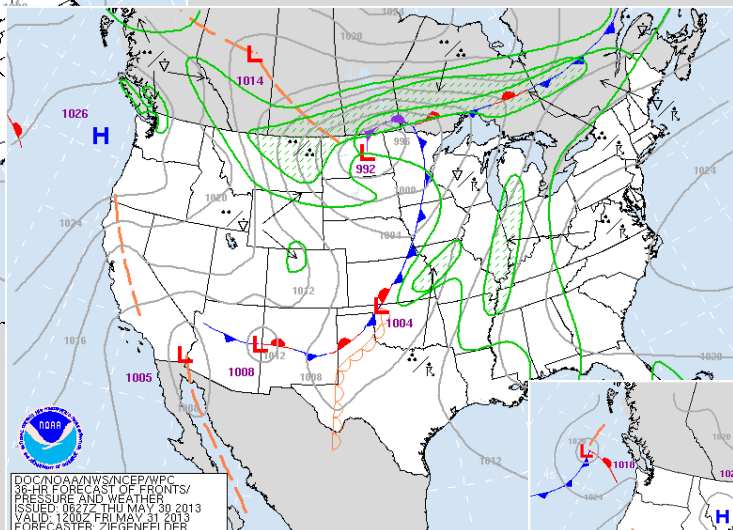


Weather Prediction Center Fronts / Pressure / Weather

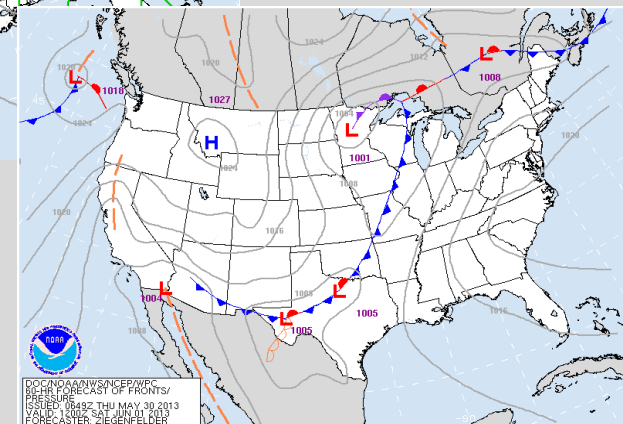


Tonight

Slow eastward progress of cold front will allow several rounds of rain to develop over the Ozarks



Friday



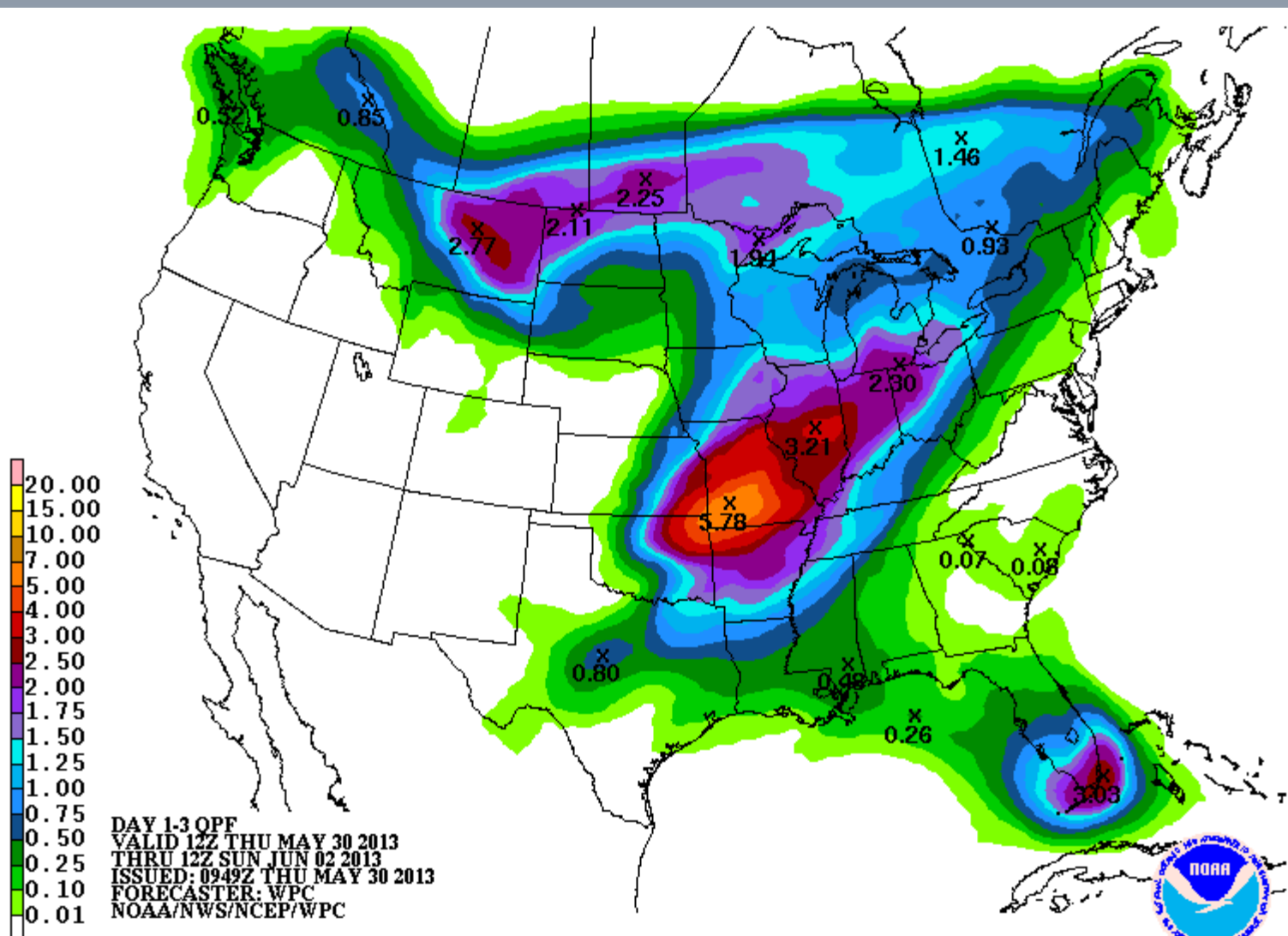
Saturday



Rainfall Forecast Through Weekend



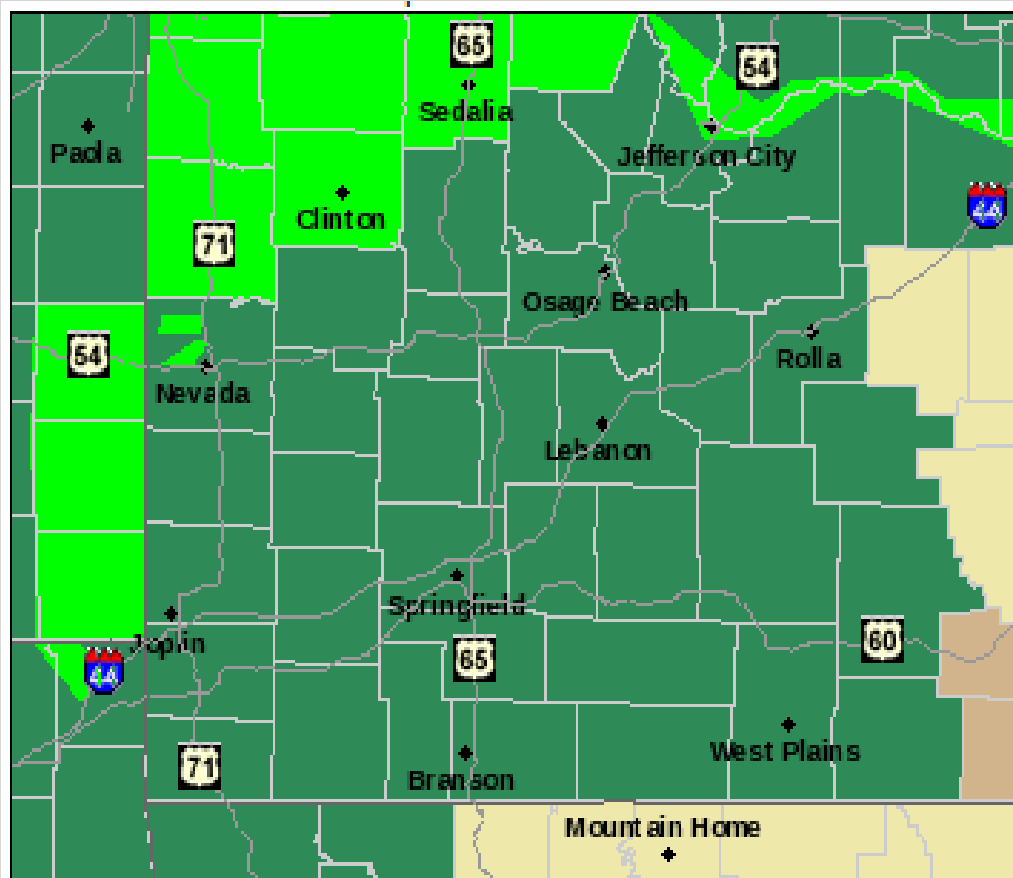
7am
Today -
7 am
Sunday





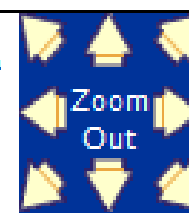
Flash Flood Watch

In Effect Through Saturday Morning



Last map update: Thu, May. 30, 2013 at 11:01:45 am CDT

[Read watches,
warnings &
advisories](#)



[Flood Warning](#)

[Flash Flood Watch](#)

[Lake Wind Advisory](#)

[Flood Watch](#)

[Hazardous Weather
Outlook](#)

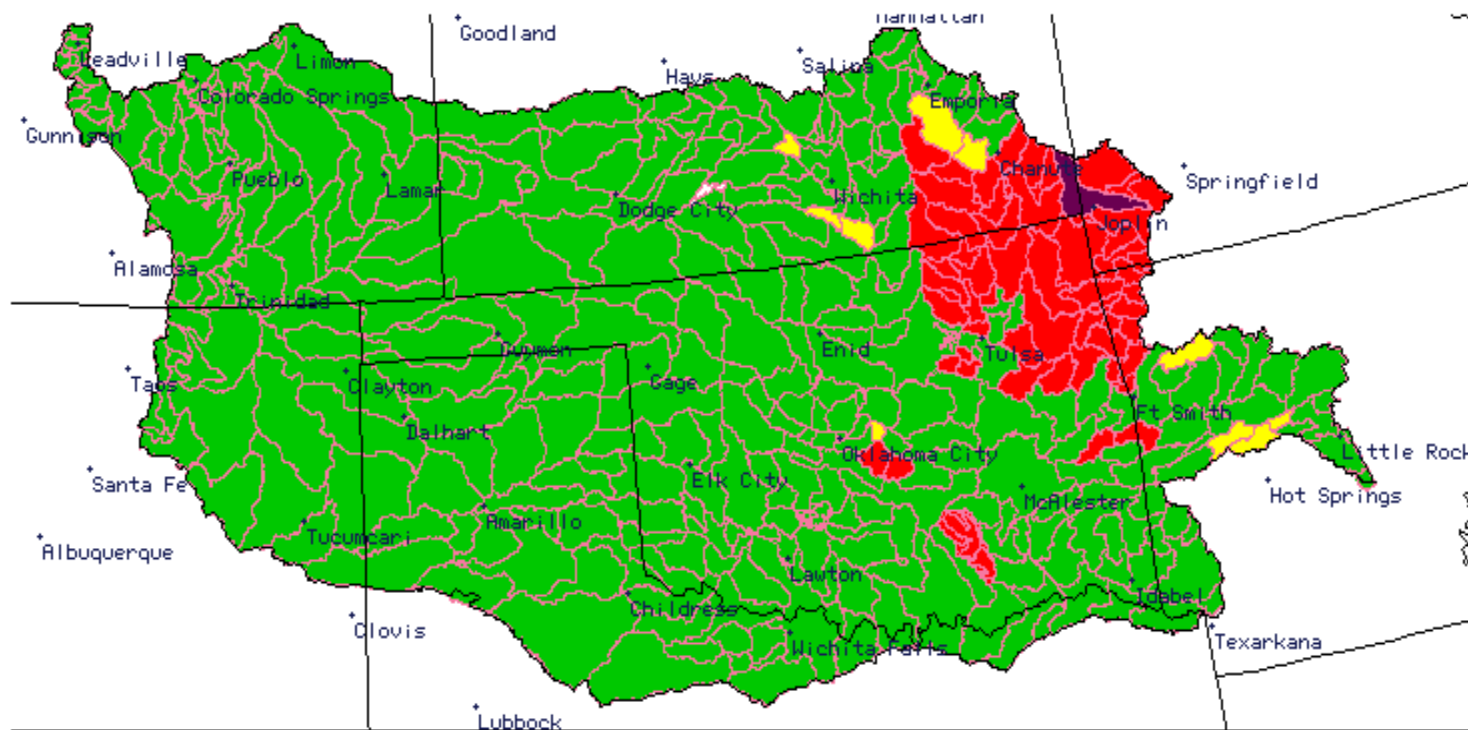
[Hydrologic Outlook](#)

[Short Term Forecast](#)





River Flooding Concerns Spring and Elk River Basins



Model Cycle: 5-30-2013 12:00 UTC
Last Updated: 5-30-2013 13:40 UTC

On the map above, river basins are color-coded according to the maximum stage forecast by any ensemble member.

■ Below Action stage
■ Between Action stage and flood stage

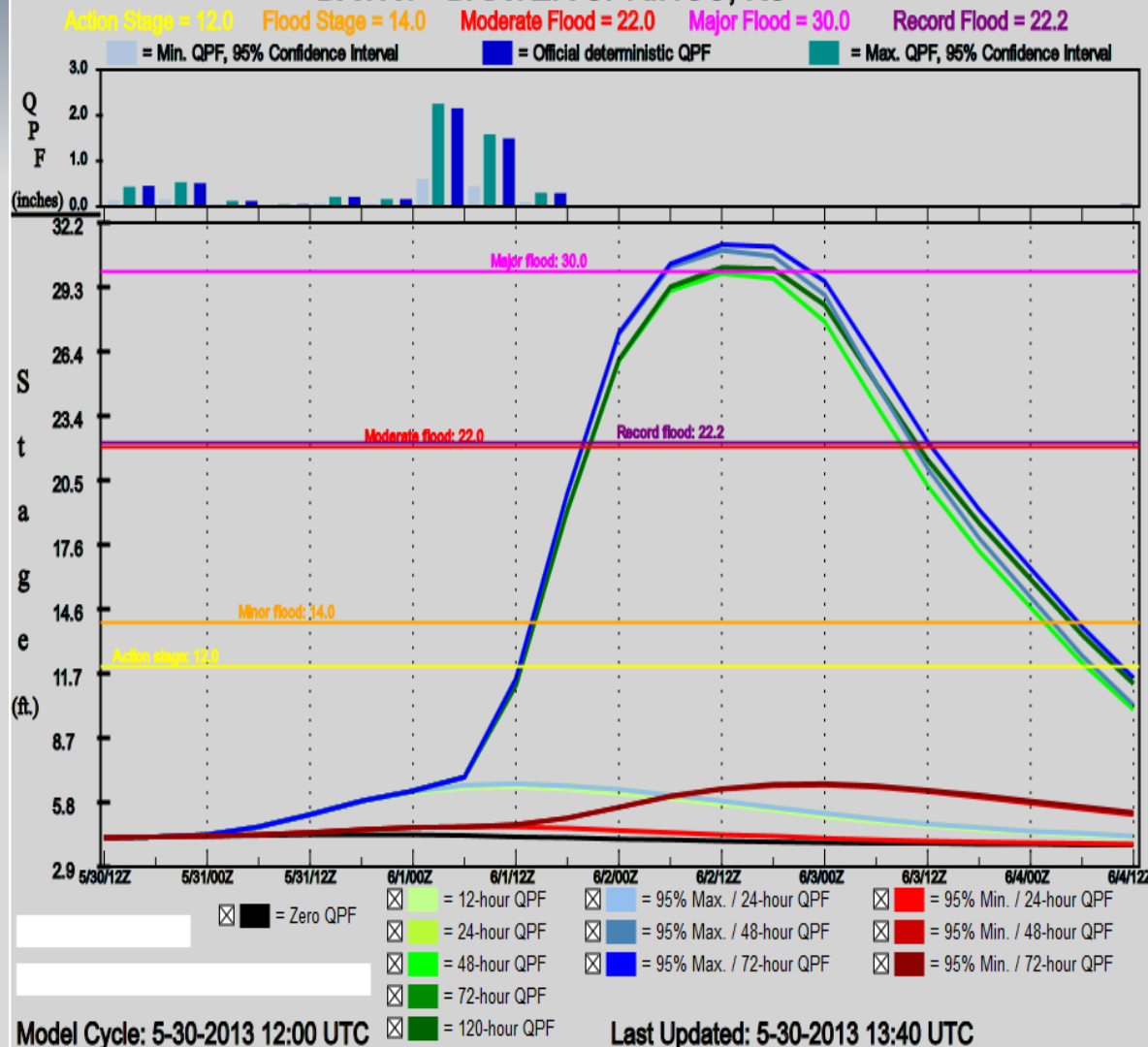
■ Flood stage or above
■ Flood of Record



Contingency River Outlook Baxter Springs



BXTK1 - BAXTER SPRINGS, KS



Contingency Outlook

FS on Saturday

30-31 Feet
Crest on Sunday



Contingency River Outlook Spring River at Waco



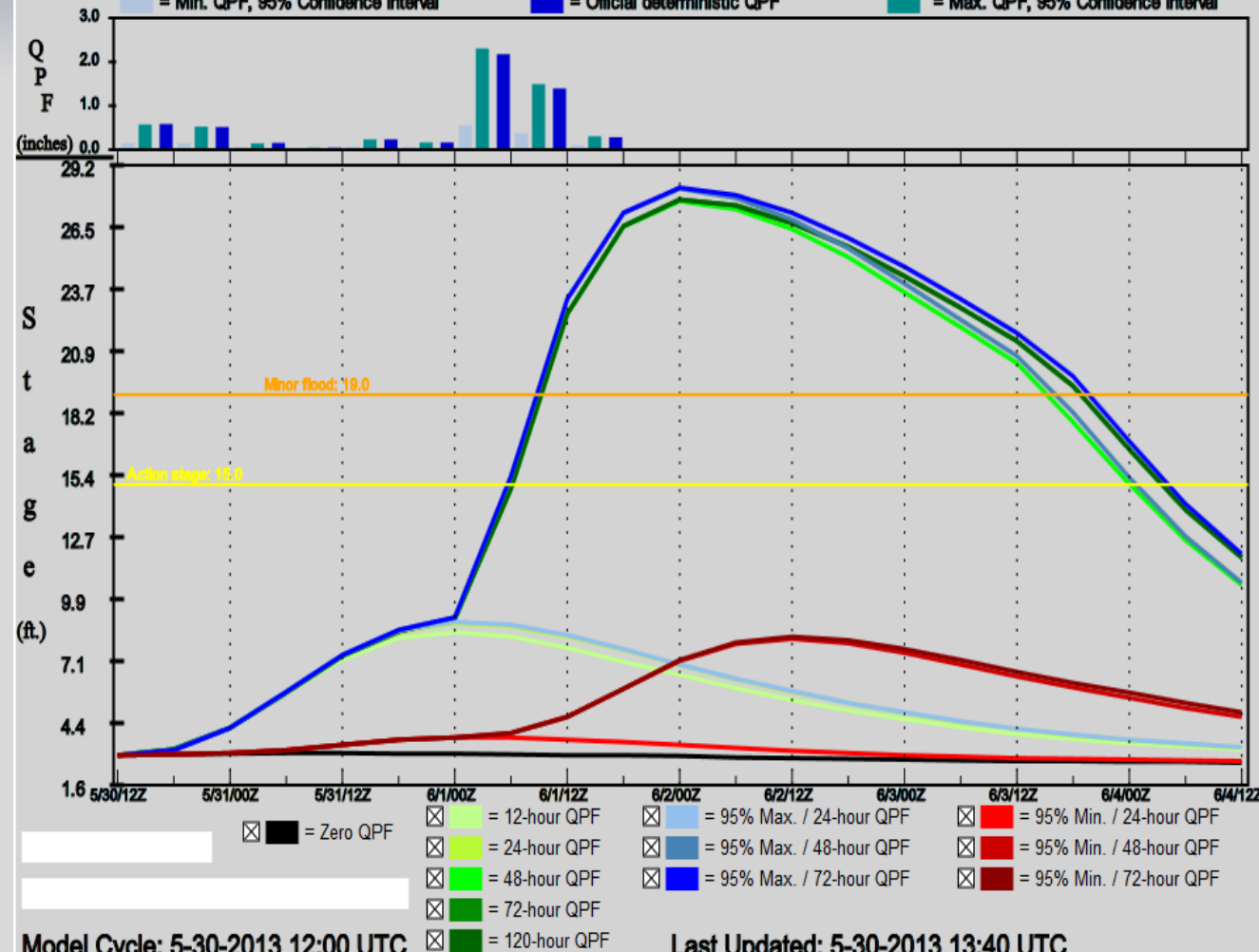
WCOM7 - WACO 2E, MO

Action Stage = 15.0 Flood Stage = 19.0 Moderate Flood = 30.0 Major Flood = 33.0 Record Flood = 34.0

Min. QPF, 95% Confidence Interval

Official deterministic QPF

Max. QPF, 95% Confidence Interval



Contingency Outlook

FS Late Friday
night/early
Saturday Morning

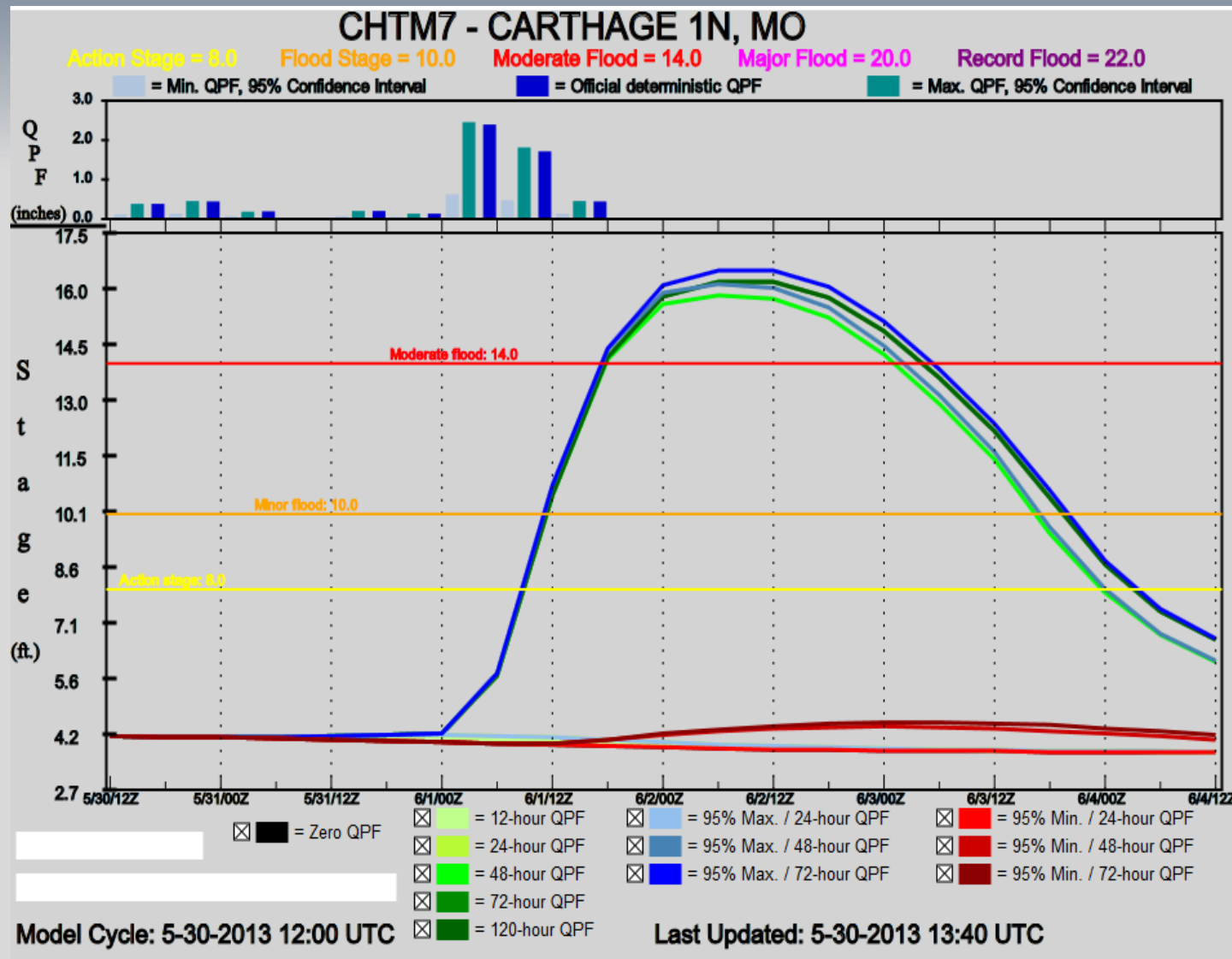
27-28 Feet Crest
Saturday night

Model Cycle: 5-30-2013 12:00 UTC

Last Updated: 5-30-2013 13:40 UTC



Contingency River Outlook Spring River at Carthage



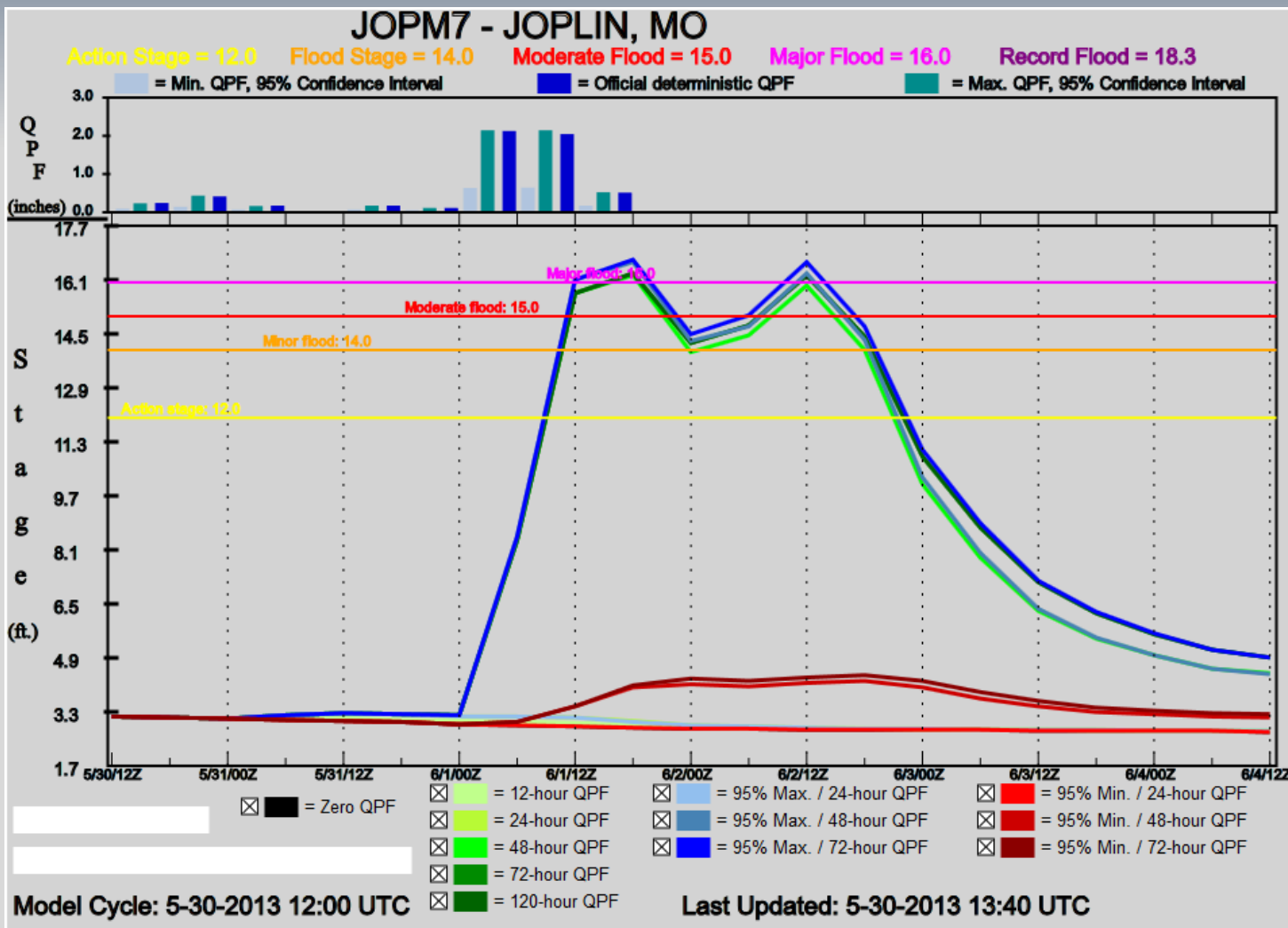
**Contingency
Outlook**

FS on Saturday
Morning

16-16.5 Crest on
Sunday



Contingency River Outlook Shoal Creek near Joplin



Contingency Outlook

FS on Saturday Morning

16-16.5 Crest late Saturday and early Sunday (double crest)



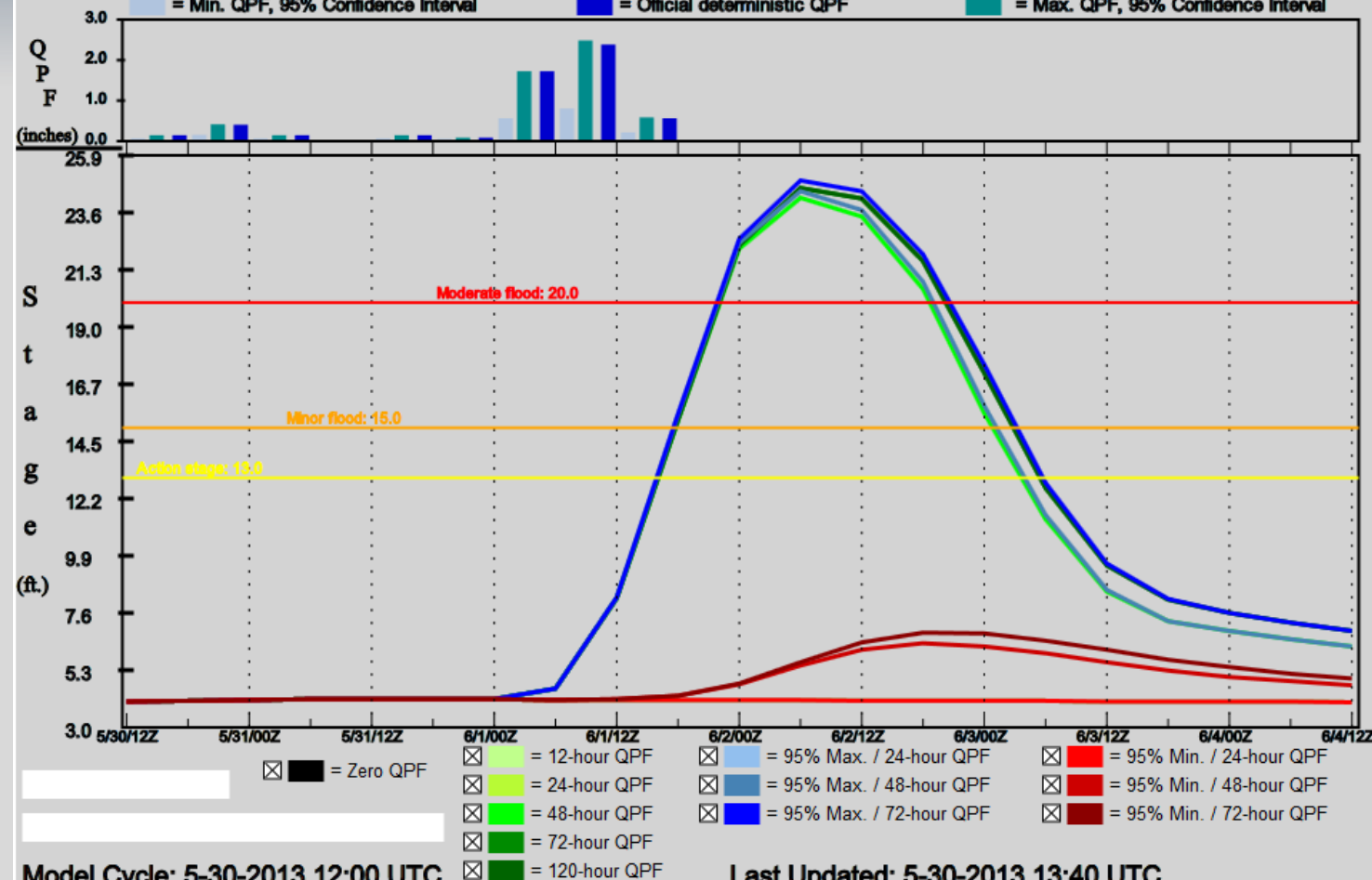
Contingency River Outlook Elk River at Tiff City



TIFM7 - TIFF CITY, MO

Action Stage = 13.0 Flood Stage = 15.0 Moderate Flood = 20.0 Major Flood = 25.0 Record Flood = 28.4

Min. QPF, 95% Confidence Interval Official deterministic QPF Max. QPF, 95% Confidence Interval



Contingency Outlook

FS on Saturday
Afternoon

24-25 Feet –
Crest late
Saturday / early
Sunday

Flood Stage = 15 ft.

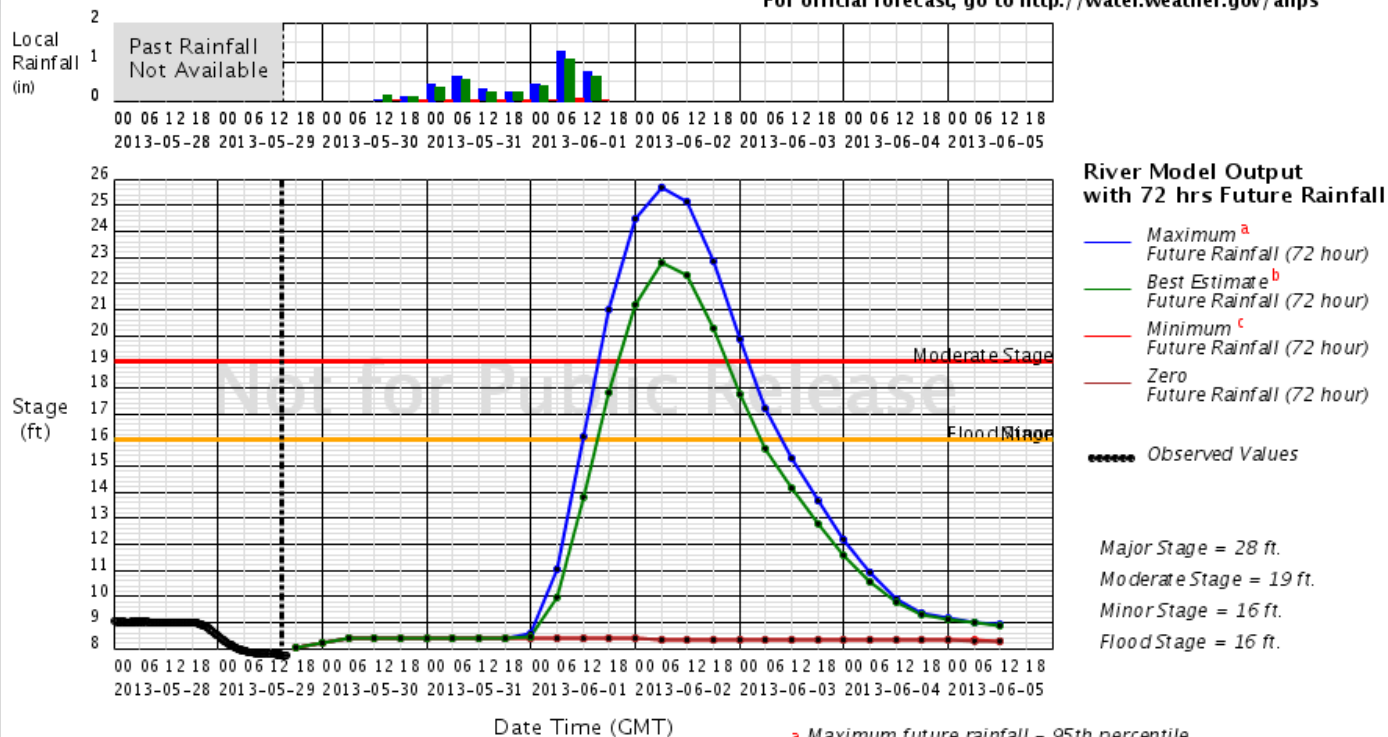
31-32 Feet –
Crest late
Saturday evening



This product has not been reviewed by NWS Forecasters

CMZM7 -- SAC RIVER -- CAPLINGER MILLS, MO

For official forecast, go to <http://water.weather.gov/ahps>



Graph Creation Date: Wed, 29 May 2013 11:04:50 -0500 UTC

a Maximum future rainfall - 95th percentile,
or the amount that has a 5% chance of being reached/exceeded.

b Best estimate rainfall - RFC QPF
<http://www.crh.noaa.gov/mbrfc/?n=pcpn>

c Minimum future rainfall – 5th percentile,
or the amount that has a 95% chance of being reached/exceeded.

Contingency Outlook

FS on Saturday
Morning

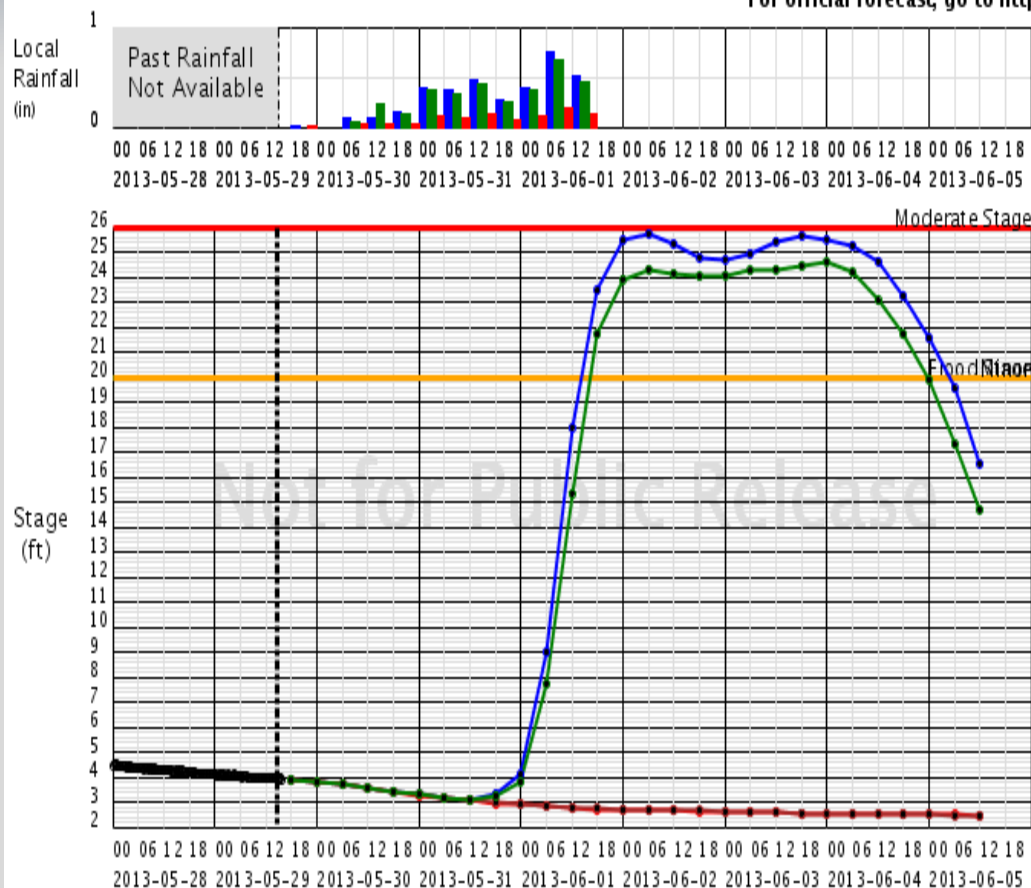
22-26 Feet –
Crest late
Saturday evening



This product has not been reviewed by NWS Forecasters

NVDM7 -- MARMATON RIVER -- NEVADA, MO

For official forecast, go to <http://water.weather.gov/ahps>



River Model Output with 72 hrs Future Rainfall

- Maximum^a
Future Rainfall (72 hour)
- Best Estimate^b
Future Rainfall (72 hour)
- Minimum^c
Future Rainfall (72 hour)
- Zero
Future Rainfall (72 hour)

Observed Values

Major Stage = 31 ft.
Moderate Stage = 26 ft.
Minor Stage = 20 ft.
Flood Stage = 20 ft.

Contingency Outlook

FS on Saturday
Morning (already
in Flood Warning)

24-25 Feet –
Crest late Monday



Contingency River Outlook Little Osage near Horton

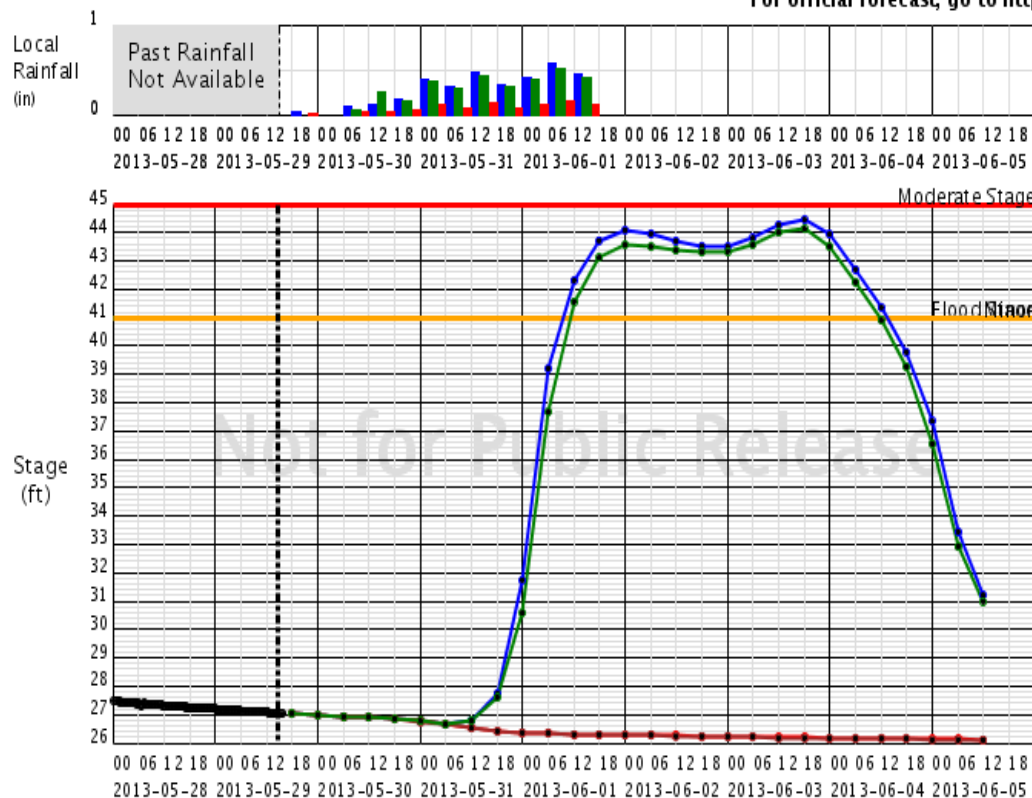


MBRFC Ensemble Model Output

HTNM7 -- LITTLE OSAGE RIVER -- HORTON, MO

This product has not been reviewed by NWS Forecasters

For official forecast, go to <http://water.weather.gov/ahps>



Contingency Outlook

FS on Saturday
(already in Flood Warning)

43-44 Feet –
Crest late Saturday
and Monday
(double crest)



Contingency River Outlook Big Piney at Fort Wood

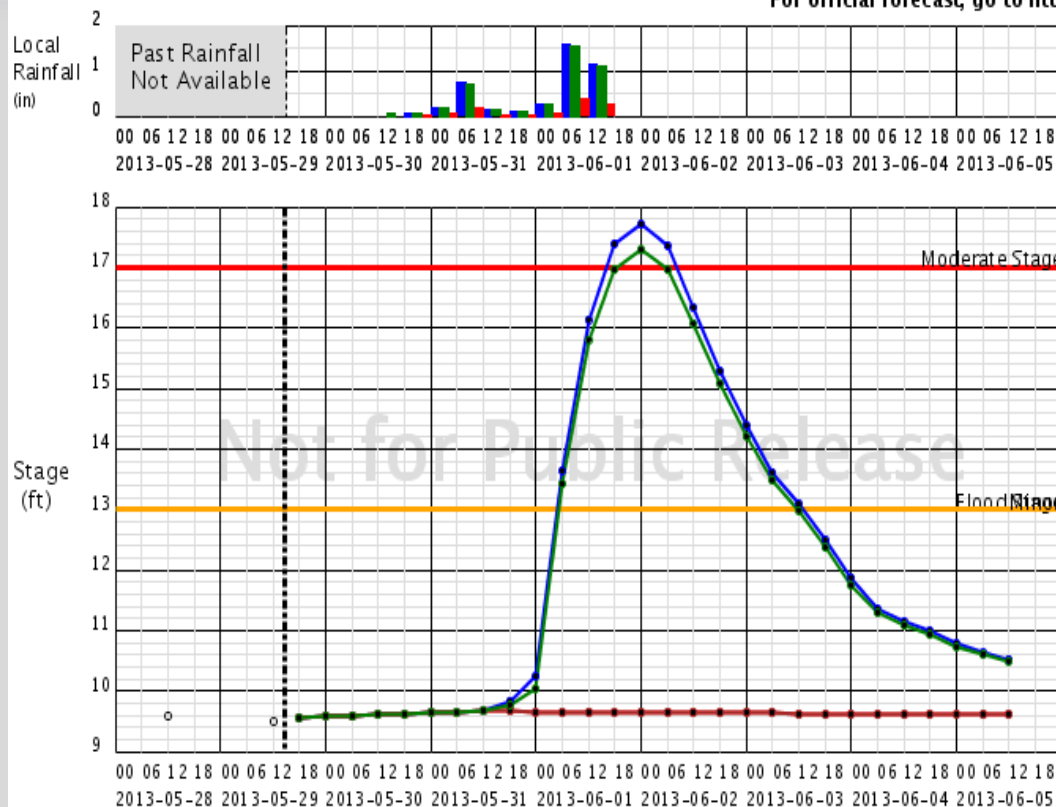


MBRFC Ensemble Model Output

TBNM7 -- BIG PINEY RIVER -- FORT LEONARD WOOD, MO

This product has not been reviewed by NWS Forecasters

For official forecast, go to <http://water.weather.gov/ahps>



River Model Output with 72 hrs Future Rainfall

- Maximum^a
Future Rainfall (72 hour)
- Best Estimate^b
Future Rainfall (72 hour)
- Minimum^c
Future Rainfall (72 hour)
- Zero
Future Rainfall (72 hour)

Observed Values

Major Stage = 23 ft.

Moderate Stage = 17 ft.

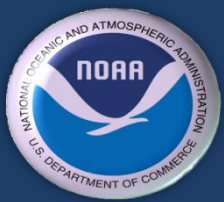
Minor Stage = 13 ft.

Flood Stage = 13 ft.

**Contingency
Outlook**

FS late
Friday/early
Saturday

17-18 Feet –
Crest late Saturday



NWS Springfield

Forecast Highlights



What	Where	Timing	Impacts
Heavy Rainfall	All of Southeast Kansas and the Missouri Ozarks	Today through Friday Night	Widespread 4 to 5 inches Locally up to 6 inches
Flash Flood Watch	Southeast Kansas and the Missouri Ozarks	7 AM Morning Through 7 AM Saturday	Flash Flooding Possible Elevated and quick water level rises on area waterways possible
River Flooding	Southeast Kansas and Western Missouri	Friday through Sunday	Moderate to Major Flooding Possible



Decision Support Briefing Resources



NWS Springfield: www.weather.gov/sgf

Rainfall Forecast:

<http://www.wpc.ncep.noaa.gov/qpf/qpf2.shtml>

Storm Prediction Center: www.spc.noaa.gov

Social Media:

<https://www.facebook.com/US.NationalWeatherService.Springfield.gov>



Hydrology Briefing

Noon, May 30, 2013



For questions and additional information:

NWS Springfield, MO

<http://www.weather.gov/sgf>

Email: w-sgf.webmaster@noaa.gov

Phone: 417-863-8028



Find us on
Facebook

